

HAZARDOUS MATERIALS DATA SHEET
(PLEASE COMPLETE APPLICABLE SECTIONS)

1. PRODUCT NAME, NUMBER, SYNONYM: Epoxy Resin ERL-2795
2. MANUFACTURER'S NAME: Union Carbide Corp
3. MANUFACTURER'S ADDRESS: 270 Park Ave. New York, N.Y. 10017
4. PROCEDURE IN CASE OF BREAKAGE OR LEAKAGE: Soak up in saw dust and incinerate. Flush residue with water.
5. TRANSPORTATION AND STORAGE REQUIREMENTS: Keep dry
6. FIRST AID TREATMENT:
 - A. SKIN CONTACT: Immediately flush with water and then wash ~~flush~~ with soap and water.
 - B. EYE CONTACT: Immediately flush with plenty of water.
 - C. INHALATION: No problem
 - D. ANTIDOTE IN CASE OF SWALLOWING: Induce vomiting and call a physician
7. PHYSIOLOGICAL PROPERTIES:
 - A. ACUTE ORAL TOXICITY: Not peroral LD₅₀ - 10.7 ml/kg.
 - B. LOCAL EFFECTS UPON EYES: mild irritation
 - C. LOCAL EFFECTS UPON SKIN: No immediate effect. Strong sensitizer so repeated contact may cause rash
 - D. ESTIMATE OF ACUTE HAZARD BY INHALATION (VOLATILE MATERIALS): slight to none
 - E. WARNING PROPERTIES (ODOR, IRRITATION TO EYES, NOSE OR THROAT): none
 - F. ESTIMATED THRESHOLD LIMIT VALUE (IF NOT ON CURRENT LIST BY AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS): _____
8. CHEMICAL AND PHYSICAL PROPERTIES:
 - A. SPECIFIC GRAVITY (WATER = 1): 1.12 - 1.14
 - B. VAPOR DENSITY (AIR = 1): N.A.
 - C. VAPOR PRESSURE mm Hg AT 25°C.: N.A.
 - D. pH: N.A.
 - E. CORROSIVE ACTION ON COMMON MATERIALS SUCH AS: ALUMINUM, MAGNESIUM, PLEXIGLAS, RUBBER, LACQUERS, ENAMELS, FABRICS: NONE

F. DOES THE MATERIAL DECOMPOSE WHEN EXPOSED TO AIR? WATER? HEAT? STRONG OXIDIZERS? _____

G. FOR MIXTURES GIVE THE PERCENTAGE COMPOSITION OF INGREDIENTS:

COMPOUND	PERCENT
Diphenyl	
Diphenyl propane diglycidyl ether	> 80 %
butyl glycidyl ether	< 20 %

NOTE: GENERALIZATIONS SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES, CHLORINATED HYDROCARBONS, ETC., ARE NOT ADEQUATE FOR TOXICOLOGICAL EVALUATION. PROPER CHEMICAL NAMES MUST BE KNOWN.

H. DOES THE MATERIAL GENERATE HEAT THROUGH POLYMERIZATION OR CONDENSATION? yes - when

combined with an epoxy hardener.

9. PRECAUTIONS FOR NORMAL CONDITIONS OF USE: Avoid skin contact.

10. RECOMMENDED PROTECTIVE EQUIPMENT: gloves, safety glasses

11. A. FLASHPOINT °F; CLOSED CUP _____; OPEN CUP _____; IF F.P. CHANGES DURING EVAPORATION GIVE DATA: _____

B. EXPLOSIVE LIMITS (% VOL. AIR): NONE LOWER _____; UPPER _____

C. SUSCEPTIBILITY TO SPONTANEOUS HEATINGS: YES _____; NO ✓

D. FIRE POINT °F N.A.; AUTO IGNITION TEMPERATURE °F N.A.

E. VAPOR DENSITY N.A.

F. WHAT PRODUCTS MIGHT BE FORMED IN THE EVENT OF FIRE OR ABNORMAL TEMPERATURES? N.A.

G. SUITABLE EXTINGUISHING AGENTS: _____

12. INFORMATION FURNISHED BY: C. H. Hlumenich, M.D.

TITLE: Associate Medical Director

COMPANY: Union Carbide Corp.

ADDRESS: 270 Park Ave. New York N.Y. 10017

DATE: 12/29/71

NOTE: INFORMATION IN REGARD TO A MATERIAL'S COMPOSITION WILL BE USED FOR THE PURPOSE OF COMPLYING WITH LOCAL, STATE AND FEDERAL ORDINANCES, LAWS AND CODES, AND REQUIREMENTS OF GOVERNMENTAL AGENCIES.

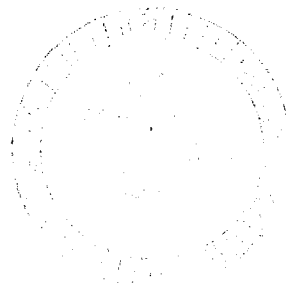
THE COMPLETED FORM SHOULD BE RETURNED TO PURCHASING, DOUGLAS AIRCRAFT DIVISION, LONG BEACH, CALIF. 90801.



UNION CARBIDE CORPORATION
CHEMICALS AND PLASTICS

2770 LEONIS BOULEVARD, LOS ANGELES, CALIFORNIA 90058 • TELEPHONE 213-583-3061

January 13, 1972



Douglas Aircraft Company
3855 Lakewood Boulevard
Long Beach, California 90801

Attention: Purchasing Department

Gentlemen:

In accordance with the request of Mr. A.W. Wildanger we have completed the data sheets on ERL-2795 and ERL-2807. As you will note on the letter from our Medical Department, we are currently developing additional information on these products and we will be happy to furnish you a Material Safety Data Sheet on both products when they become available.

Very truly yours,

UNION CARBIDE CORPORATION
Chemicals and Plastics

H. B. Reese jms

H.B. Reese
Product Development Mgr.

HBR:jms

Attachments



INTERNAL CORRESPONDENCE

UNION CARBIDE CORPORATION

270 PARK AVENUE, NEW YORK, NEW YORK 10017

To (Name)	Mr. H. B. Reese	Date	December 20, 1971
Division	Chemicals and Plastics	Originating Dept.	Medical Department
Location	Los Angeles, California	Answering letter date	
Copy to		Subject	

I am returning the Hazardous Materials Data Sheet that Douglas Aircraft wanted us to complete on ERL-2807 and ERL-2795. We have been unable to complete some of the sections which deal with physical characteristics and fire qualities of these materials. The reasons we have not been able to complete the form are that these data are not now available, but we are in the process of developing them for inclusion in our own Material Safety Data Sheet. As you will recall, our Material Safety Data Sheet is approved by the U. S. Department of Labor and will probably be acceptable to inspectors when it becomes necessary to have the Material Safety Data Sheet as a requirement under the Occupational Safety and Health Act. I would expect that our Material Safety Data Sheets on these compounds will be completed and printed in about three months. I would suggest that Douglas Aircraft contact us again about that time.

Very truly yours,

C. U. Dernehl, M. D.
Associate Medical Director

CUD:lk
Attachments